

Michel Aurrand-Lions

List of Publications by Year in descending order

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94
papers

5,559
citations

81839

39
h-index

79644

73
g-index

99
all docs

99
docs citations

99
times ranked

7286
citing authors

#	ARTICLE	IF	CITATIONS
1	Adhesion mechanisms regulating the migration of monocytes. <i>Nature Reviews Immunology</i> , 2004, 4, 432-444.	10.6	466
2	Dual role of macrophages in tumor growth and angiogenesis. <i>Journal of Leukocyte Biology</i> , 2006, 80, 705-713.	1.5	255
3	Heterogeneity of endothelial junctions is reflected by differential expression and specific subcellular localization of the three JAM family members. <i>Blood</i> , 2001, 98, 3699-3707.	0.6	244
4	Spermatid differentiation requires the assembly of a cell polarity complex downstream of junctional adhesion molecule-C. <i>Nature</i> , 2004, 431, 320-324.	13.7	235
5	The junctional adhesion molecule (JAM) family members JAM-2 and JAM-3 associate with the cell polarity protein PAR-3: a possible role for JAMs in endothelial cell polarity. <i>Journal of Cell Science</i> , 2003, 116, 3879-3891.	1.2	234
6	JAM-2, a Novel Immunoglobulin Superfamily Molecule, Expressed by Endothelial and Lymphatic Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 2733-2741.	1.6	210
7	Homing Phenotypes of Tumor-Specific CD8 T Cells Are Predetermined at the Tumor Site by Crosspresenting APCs. <i>Immunity</i> , 2005, 22, 175-184.	6.6	209
8	Junctional adhesion molecule-2 (JAM-2) promotes lymphocyte transendothelial migration. <i>Blood</i> , 2002, 100, 2479-2486.	0.6	175
9	Angiogenesis and inflammation face off. <i>Nature Medicine</i> , 2006, 12, 171-172.	15.2	158
10	Crystal structure of human junctional adhesion molecule 1: Implications for reovirus binding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5366-5371.	3.3	144
11	Vanin-1, a Novel GPI-Linked Perivascular Molecule Involved in Thymus Homing. <i>Immunity</i> , 1996, 5, 391-405.	6.6	141
12	Circadian Expression of Migratory Factors Establishes Lineage-Specific Signatures that Guide the Homing of Leukocyte Subsets to Tissues. <i>Immunity</i> , 2018, 49, 1175-1190.e7.	6.6	141
13	JAM-C regulates unidirectional monocyte transendothelial migration in inflammation. <i>Blood</i> , 2007, 110, 2545-2555.	0.6	140
14	Presence of CD4+CD8+ double-â€positive T cells with very high interleukin-4 production potential in lesional skin of patients with systemic sclerosis. <i>Arthritis and Rheumatism</i> , 2007, 56, 3459-3467.	6.7	127
15	Tumour angiogenesis is reduced in the Tc1 mouse model of Down-â€™s syndrome. <i>Nature</i> , 2010, 465, 813-817.	13.7	122
16	Junctional Adhesion Molecule-C Regulates the Early Influx of Leukocytes into Tissues during Inflammation. <i>Journal of Immunology</i> , 2005, 174, 6406-6415.	0.4	117
17	Junctional Adhesion Molecule A Serves as a Receptor for Prototype and Field-Isolate Strains of Mammalian Reovirus. <i>Journal of Virology</i> , 2005, 79, 7967-7978.	1.5	115
18	Dual Interaction of JAM-C with JAM-B and Î±2Î²1Integrin: Function in Junctional Complexes and Leukocyte Adhesion. <i>Molecular Biology of the Cell</i> , 2005, 16, 4992-5003.	0.9	109

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19	Antibody against Junctional Adhesion Molecule-C Inhibits Angiogenesis and Tumor Growth. <i>Cancer Research</i> , 2005, 65, 5703-5710.	0.4	100
20	JAM Family and Related Proteins in Leukocyte Migration (Vestweber Series). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 2104-2112.	1.1	97
21	A novel immunoglobulin superfamily junctional molecule expressed by antigen presenting cells, endothelial cells and platelets. <i>Molecular Immunology</i> , 1998, 35, 1111-1119.	1.0	90
22	Somatodendritic Expression of JAM2 Inhibits Oligodendrocyte Myelination. <i>Neuron</i> , 2016, 91, 824-836.	3.8	79
23	JAM-C Regulates Tight Junctions and Integrin-mediated Cell Adhesion and Migration. <i>Journal of Biological Chemistry</i> , 2007, 282, 1830-1837.	1.6	78
24	Indirect Effects of Leptin Receptor Deficiency on Lymphocyte Populations and Immune Response in <i>db/db</i> Mice. <i>Journal of Immunology</i> , 2006, 177, 2899-2907.	0.4	75
25	Identification of a New Stromal Cell Type Involved in the Regulation of Inflamed B Cell Follicles. <i>PLoS Biology</i> , 2013, 11, e1001672.	2.6	64
26	cAMP Signaling by Anthrax Edema Toxin Induces Transendothelial Cell Tunnels, which Are Resealed by MIM via Arp2/3-Driven Actin Polymerization. <i>Cell Host and Microbe</i> , 2011, 10, 464-474.	5.1	62
27	The Human PDZome: A Gateway to PSD95-Disc Large-Zonula Occludens (PDZ)-mediated Functions. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2587-2603.	2.5	59
28	Junctional Adhesion Molecule-C Mediates Leukocyte Infiltration in Response to Ischemia Reperfusion Injury. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1509-1515.	1.1	57
29	Expression and Function of Junctional Adhesion Molecule-C in Myelinated Peripheral Nerves. <i>Science</i> , 2007, 318, 1472-1475.	6.0	55
30	JAM-B regulates maintenance of hematopoietic stem cells in the bone marrow. <i>Blood</i> , 2011, 118, 4609-4619.	0.6	47
31	Bi-allelic JAM2 Variants Lead to Early-Onset Recessive Primary Familial Brain Calcification. <i>American Journal of Human Genetics</i> , 2020, 106, 412-421.	2.6	47
32	CD146 Expression in Human Breast Cancer Cell Lines Induces Phenotypic and Functional Changes Observed in Epithelial to Mesenchymal Transition. <i>PLoS ONE</i> , 2012, 7, e43752.	1.1	47
33	Nidogen-1 Contributes to the Interaction Network Involved in Pro-B Cell Retention in the Peri-sinusoidal Hematopoietic Stem Cell Niche. <i>Cell Reports</i> , 2019, 26, 3257-3271.e8.	2.9	46
34	CD146 mediates VEGF-induced melanoma cell extravasation through FAK activation. <i>International Journal of Cancer</i> , 2015, 137, 50-60.	2.3	45
35	The last molecular fortress in leukocyte trans-endothelial migration. <i>Nature Immunology</i> , 2002, 3, 116-118.	7.0	44
36	Pulmonary dysfunction and impaired granulocyte homeostasis result in poor survival of Jam-C-deficient mice. <i>Journal of Pathology</i> , 2007, 212, 198-208.	2.1	44

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37	Thymocytes and RelB-dependent medullary epithelial cells provide growth-promoting and organization signals, respectively, to thymic medullary stromal cells. <i>European Journal of Immunology</i> , 1997, 27, 1392-1397.	1.6	43
38	JAM-C Induces Endothelial Cell Permeability Through Its Association and Regulation of β_3 Integrins. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1200-1206.	1.1	43
39	Overexpression of the Promigratory and Prometastatic PTK7 Receptor Is Associated with an Adverse Clinical Outcome in Colorectal Cancer. <i>PLoS ONE</i> , 2015, 10, e0123768.	1.1	43
40	The role of junctional adhesion molecule C (JAM-C) in acute pancreatitis. <i>Journal of Pathology</i> , 2006, 209, 540-548.	2.1	41
41	Soluble Melanoma Cell Adhesion Molecule (sMCAM/sCD146) Promotes Angiogenic Effects on Endothelial Progenitor Cells through Angiomotin. <i>Journal of Biological Chemistry</i> , 2013, 288, 8991-9000.	1.6	41
42	Expression and function of junctional adhesion molecule-C in human and experimental arthritis. <i>Arthritis Research and Therapy</i> , 2007, 9, R65.	1.6	36
43	Two Human Genes Related to Murine Vanin-1 Are Located on the Long Arm of Human Chromosome 6. <i>Genomics</i> , 1998, 53, 203-213.	1.3	35
44	Neutrophil Transmigration under Shear Flow Conditions In Vitro Is Junctional Adhesion Molecule-C Independent. <i>Journal of Immunology</i> , 2007, 178, 5879-5887.	0.4	35
45	The Junctional Adhesion Molecule β regulates JAM α -dependent melanoma cell metastasis. <i>FEBS Letters</i> , 2012, 586, 4046-4051.	1.3	35
46	Role of GM-CSF signaling in cell-based tumor immunization. <i>Blood</i> , 2009, 113, 6658-6668.	0.6	34
47	Function of Jam-B/Jam-C Interaction in Homing and Mobilization of Human and Mouse Hematopoietic Stem and Progenitor Cells. <i>Stem Cells</i> , 2014, 32, 1043-1054.	1.4	34
48	Protein-Protein Interaction Inhibition (2P2I)-Oriented Chemical Library Accelerates Hit Discovery. <i>ACS Chemical Biology</i> , 2016, 11, 2140-2148.	1.6	33
49	Junctional Adhesion Molecules and Interendothelial Junctions. <i>Cells Tissues Organs</i> , 2002, 172, 152-160.	1.3	32
50	Importance of Junctional Adhesion Molecule-C for Neointimal Hyperplasia and Monocyte Recruitment in Atherosclerosis-Prone Mice-Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1161-1163.	1.1	32
51	Junctional Adhesion Molecule (JAM)-C Deficient C57BL/6 Mice Develop a Severe Hydrocephalus. <i>PLoS ONE</i> , 2012, 7, e45619.	1.1	31
52	Murine Bone Marrow Niches from Hematopoietic Stem Cells to B Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2353.	1.8	31
53	Poly(ADP-ribose) polymerase-1 (PARP-1) controls lung cell proliferation and repair after hyperoxia-induced lung damage. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 293, L619-L629.	1.3	29
54	For3D: Full organ reconstruction in 3D, an automatized tool for deciphering the complexity of lymphoid organs. <i>Journal of Immunological Methods</i> , 2015, 424, 32-42.	0.6	29

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55	Cooperative expression of junctional adhesion molecule C and B supports growth and invasion of glioma. <i>Glia</i> , 2010, 58, 524-537.	2.5	28
56	Genetic, structural, and chemical insights into the dual function of GRASP55 in germ cell Golgi remodeling and JAM-C polarized localization during spermatogenesis. <i>PLoS Genetics</i> , 2017, 13, e1006803.	1.5	28
57	Loss of Partitioning-Defective-3/Isotype-Specific Interacting Protein (Par-3/ASIP) in the Elongating Spermatid of RA175 (IGSF4A/SynCAM)-Deficient Mice. <i>American Journal of Pathology</i> , 2007, 171, 1800-1810.	1.9	26
58	Junctional adhesion molecule C (JAM-C) distinguishes CD27+ germinal center B lymphocytes from non-germinal center cells and constitutes a new diagnostic tool for B-cell malignancies. <i>Leukemia</i> , 2007, 21, 1285-1293.	3.3	24
59	KIT-D816V oncogenic activity is controlled by the juxtamembrane docking site Y568-Y570. <i>Oncogene</i> , 2014, 33, 872-881.	2.6	23
60	JAM-C Identifies Src Family Kinase-Activated Leukemia-Initiating Cells and Predicts Poor Prognosis in Acute Myeloid Leukemia. <i>Cancer Research</i> , 2017, 77, 6627-6640.	0.4	23
61	Endothelial cell junctional adhesion molecule C plays a key role in the development of tumors in a murine model of ovarian cancer. <i>FASEB Journal</i> , 2013, 27, 4244-4253.	0.2	21
62	Adhesion receptors involved in HSC and early-B cell interactions with bone marrow microenvironment. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 687-703.	2.4	20
63	Lack of junctional adhesion molecule (JAM)-B ameliorates experimental autoimmune encephalomyelitis. <i>Brain, Behavior, and Immunity</i> , 2018, 73, 3-20.	2.0	20
64	<i>Ptk7</i> -Deficient Mice Have Decreased Hematopoietic Stem Cell Pools as a Result of Deregulated Proliferation and Migration. <i>Journal of Immunology</i> , 2016, 196, 4367-4377.	0.4	19
65	Role of interendothelial adhesion molecules in the control of vascular functions. <i>Vascular Pharmacology</i> , 2002, 39, 239-246.	1.0	17
66	Function of Junctional Adhesion Molecules (JAMs) in Leukocyte Migration and Homeostasis. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2013, 61, 15-23.	1.0	16
67	Toward Therapeutic Targeting of Bone Marrow Leukemic Niche Protective Signals in B-Cell Acute Lymphoblastic Leukemia. <i>Frontiers in Oncology</i> , 2020, 10, 606540.	1.3	15
68	Cutting Edge: JAM-C Controls Homeostatic Chemokine Secretion in Lymph Node Fibroblastic Reticular Cells Expressing Thrombomodulin. <i>Journal of Immunology</i> , 2011, 187, 603-607.	0.4	14
69	<i>Dok1</i> and <i>Dok2</i> Proteins Regulate Cell Cycle in Hematopoietic Stem and Progenitor Cells. <i>Journal of Immunology</i> , 2016, 196, 4110-4121.	0.4	14
70	Murine junctional adhesion molecules JAM-B and JAM-C mediate endothelial and stellate cell interactions during hepatic fibrosis. <i>Cell Adhesion and Migration</i> , 2016, 10, 419-433.	1.1	14
71	Junctional adhesion molecules JAM-B and JAM-C promote autoimmune-mediated liver fibrosis in mice. <i>Journal of Autoimmunity</i> , 2018, 91, 83-96.	3.0	14
72	Junctional adhesion molecule C (JAM-C) dimerization aids cancer cell migration and metastasis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 638-649.	1.9	13

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73	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration. <i>PLoS Biology</i> , 2019, 17, e3000554.	2.6	13
74	Adaptive Immune Response in JAM-C-Deficient Mice: Normal Initiation but Reduced IgG Memory. <i>Journal of Immunology</i> , 2009, 182, 4728-4736.	0.4	12
75	Junctional adhesion molecule B interferes with angiogenic VEGF/VEGFR2 signaling. <i>FASEB Journal</i> , 2015, 29, 3411-3425.	0.2	12
76	Adhesion Molecules Involved in Stem Cell Niche Retention During Normal Haematopoiesis and in Acute Myeloid Leukaemia. <i>Frontiers in Immunology</i> , 2021, 12, 756231.	2.2	11
77	Blockade but Not Overexpression of the Junctional Adhesion Molecule C Influences Virus-Induced Type 1 Diabetes in Mice. <i>PLoS ONE</i> , 2013, 8, e54675.	1.1	9
78	The microenvironment of DLBCL is characterized by noncanonical macrophages recruited by tumor-derived CCL5. <i>Blood Advances</i> , 2021, 5, 4338-4351.	2.5	9
79	Haemangiomas are formed by cells expressing high levels of $\alpha_v\beta_3$ integrin and lacking acetylated LDL uptake. <i>Journal of Pathology</i> , 2004, 203, 700-709.	2.1	8
80	In quest for leukemia initiating cells in AML. <i>Oncoscience</i> , 2018, 5, 9-10.	0.9	6
81	CD146 deficiency promotes plaque formation in a mouse model of atherosclerosis by enhancing RANTES secretion and leukocyte recruitment. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 130, 76-87.	0.9	5
82	Thy-3, a Developmentally Regulated T-Cell Glycoprotein Associated to Thy-1 in Detergent-Resistant Membrane Microdomains. <i>Cellular Immunology</i> , 1997, 176, 173-179.	1.4	3
83	GRASP55 Is Dispensable for Normal Hematopoiesis but Necessary for Myc-Dependent Leukemic Growth. <i>Journal of Immunology</i> , 2020, 204, 2685-2696.	0.4	3
84	JAM-C Expression as a Biomarker to Predict Outcome of Patients with Acute Myeloid Leukemia's Response. <i>Cancer Research</i> , 2018, 78, 6342-6343.	0.4	1
85	JAM-C/Jam-C Expression Is Primarily Expressed in Mouse Hematopoietic Stem Cells. <i>HemaSphere</i> , 2021, 5, e594.	1.2	1
86	The junctional adhesion molecule (JAM)-C is required for maintaining the integrity and function of myelinated peripheral nerves. <i>Journal of Neuropathology and Experimental Neurology</i> , 2007, 66, 431-432.	0.9	0
87	Flow Cytometry Analysis of Mouse Hematopoietic Stem and Multipotent Progenitor Cells. <i>Methods in Molecular Biology</i> , 2021, 2308, 73-81.	0.4	0
88	Junctional Adhesion Molecules (JAMs). , 2010, , 37-51.		0
89	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration. , 2019, 17, e3000554.		0
90	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration. , 2019, 17, e3000554.		0

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91	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration. , 2019, 17, e3000554.		0
92	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration. , 2019, 17, e3000554.		0
93	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration. , 2019, 17, e3000554.		0
94	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration. , 2019, 17, e3000554.		0